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(54) PROCESS-SCHEDULING METHOD BASED ON PROGRAM OPERATION CHARACTERISTICS IN PERFORMING PROCESS, PROGRAM USING THE SAME AND DATA PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To improve processing performance by actually measuring a process operation characteristics and conducting process-scheduling, on the basis of a process operating characteristic measured value in a computer or computer cluster system having a plurality of processors.

SOLUTION: In the computer or computer cluster system, a scheduling function is provided on an operating system for operating in each computer. The scheduling function controls a performance measuring means provided, in a processor or system control circuit within the each computer and acquires the processor operating characteristics of each process. The scheduling function guesses an operating characteristics, when each process is made to operate on each processor, on the basis of the processor operation characteristics and optimizes the allocation of each process to the processor.



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